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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/483,723      | 01/14/2000  | Sharon S. Liu        | 5437-109            | 8755             |

29989 7590 05/21/2002

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EXAMINER

HUSEMAN, MARIANNE

| ART UNIT | PAPER NUMBER |
|----------|--------------|
| 3621     |              |

DATE MAILED: 05/21/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

| <b>Office Action Summary</b> | <b>Application No.</b>       | <b>Applicant(s)</b> |
|------------------------------|------------------------------|---------------------|
|                              | 09/483,723                   | LIU ET AL.          |
|                              | Examiner<br>Marianne Huseman | Art Unit<br>3621    |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

1)  Responsive to communication(s) filed on 25 April 2000.

2a)  This action is **FINAL**.                    2b)  This action is non-final.

3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

4)  Claim(s) 1-69 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5)  Claim(s) \_\_\_\_\_ is/are allowed.

6)  Claim(s) 1-69 is/are rejected.

7)  Claim(s) \_\_\_\_\_ is/are objected to.

8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

9)  The specification is objected to by the Examiner.

10)  The drawing(s) filed on 14 January 2000 is/are: a)  accepted or b)  objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)  The proposed drawing correction filed on \_\_\_\_\_ is: a)  approved b)  disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12)  The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a)  All b)  Some \* c)  None of:  
1.  Certified copies of the priority documents have been received.  
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_.  
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.

14)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a)  The translation of the foreign language provisional application has been received.

15)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

1)  Notice of References Cited (PTO-892)  
2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3)  Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2  
4)  Interview Summary (PTO-413) Paper No(s). \_\_\_\_.  
5)  Notice of Informal Patent Application (PTO-152)  
6)  Other: \_\_\_\_\_

**DETAILED ACTION*****Claim Rejections - 35 USC § 112***

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 2, 25 and 48 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. It is not known where in the specification there is disclosure for the claim limitation: "said wrapper instance is invocable by the application without further interaction with the framework" [emphasis added].

***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

4. Claims 1, 3 – 24, 26 – 47 and 49 – 69 are rejected under 35 U.S.C. 102(e) as being anticipated by Elgamal et al.

Regarding claims 1, 6, 11, 12, 24, 29, 34, 35, 47, 52, 57 and 58:

Elgamal et al teach an apparatus for integrated dynamic encryption and/or decryption for use in an application such that Applicants' step of receiving a request from an application reads on application, element 101, 102 or 103 and column 5, lines 29 – 38, (step 302 of figure 3) Applicant's step of instantiating an implementation class reads on the cryptographic plug-in modules, (step 303 of figure 3) Applicants' step of

determining restrictions reads on the policy filter initialization module, element 112, (step 304 of figure 3) Applicants' steps of instantiating a wrapper class and encapsulating an implementation instance reads on the policy filters, elements 108 – 111 and Applicants' step of providing the wrapper instance reads on the service modules, step 305 of figure 3.

Regarding claims 3, 26 and 49:

Applicants' unrestricted implementation reads on Table 2 wherein all of the Value Pairs would be true.

Regarding claims 4, 27 and 50:

Applicants' particular service reads on the purpose of Elgamal et al wherein there are an unlimited number of encryption/decryption parameters (as unlimited as the cryptographic plug-in modules).

Regarding claims 5, 28 and 51:

Applicants' unrestricted implementation reads on the use of Elgamal et al's system within the U.S., wherein there are no restrictions on key size.

Regarding claims 7, 8, 30, 31, 53 and 54:

The language of Applicants' claims 7, 8, 30, 31, 53 and 54 reads on the discussion at column 5, lines 29 – 42.

Regarding claims 9, 10, 32, 33, 55 and 56:

Applicants' exemption mechanism reads on the "conditional" value pair of Table 2.

Regarding claims 13, 36 and 59:

Applicants' digital signature reads on the digital signature of Elgamal et al.

Regarding claims 14, 37 and 60:

Applicants' authentication reads on column 6, lines 59 – 62.

Regarding claims 15, 38 and 61:

Applicants' step of accessing reads on Table 2.

Regarding claims 16, 17, 22, 23, 39, 40, 45, 46, 62, 63, 68 and 69:

Elgamal et al discloses a default configuration, column 6, lines 48 – 52.

Regarding claims 18 – 21, 41 – 44 and 64 - 67:

The language of Applicants' claims 18 – 21, 41 – 44 and 64 - 67 reads on the policy filters, column 7, lines 1 – 15.

***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Java™ Cryptography Extension (JCE) and Java™ Cryptography Extension 1.2.2 API Specification & Reference teach using Java™ programming language for Cryptographic restriction implementation. Olarig et al, Freeman, Fischer, Fieres et al, Klemba et al, Elander et al, Press, Le et al and Schell et al each teach various Cryptographic control for applications.
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marianne Huseman whose telephone number is 703-605-4277. The examiner can normally be reached on Monday - Friday, 6:30 AM - 3:00 PM.

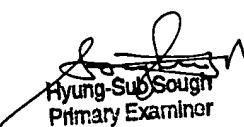
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Trammell can be reached on 703-305-9768. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-7239 for regular communications and 703-746-7238 for After Final communications.

7. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-9700.



Marianne Huseman  
Examiner  
Art Unit 3621

mh  
May 17, 2002



Hyung-Sub Sough  
Primary Examiner